



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: Unknown

Filing Date: Herewith

Applicant: Hitoshi Fukushima

Title: **FABRICATION OF SELF-ASSEMBLED MONOLAYERS**

Attorney Docket: 9319S-000311

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Hon. Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Prior to the examination of this application, please amend it as follows:

**IN THE SPECIFICATION**

Please delete the Abstract Section of the specification and replace it with the following abstract in clean form. Applicant includes herewith an Attachment for Specification Amendments showing a marked up version of the previous Abstract Section.

**ABSTRACT**

A self-assembled monolayer (SAM) is fabricated using either a semi-fluorinated sulphur containing compound, or a semi-fluorinated silane derivative and compressed carbon dioxide (CO<sub>2</sub>) as the solvent medium. The temperature and/or pressure of the compressed CO<sub>2</sub> may be varied during the fabrication process to improve the molecular packing density of the monolayer.